

Abstract of the Disclosure

SYSTEM AND METHOD FOR PREDICTIVE LOAD MANAGEMENT

A predictive load management system includes a power source operable to generate power output, the power source having a desired operating range. A transmission having a drive member is operably engaged with the power source. A control system is in communication with the power source and the transmission. The control system receives at least one input indicative of a load on the transmission and identifies a change in the load on the transmission based on the at least one input. The control system is further operable to determine a desired power output of the power source to account for the change in the load on the transmission. The control system modifies a performance characteristic of the power source to cause the power source to generate the desired power output when the change in the load on the transmission will result in the power source operating outside of the desired operating range.